LONE STAR GROUNDWATER CONSERVATION DISTRICT

Approximate water-level changes, Chicot aquifer, 1990–2005—SHEET 4 OF 15 Kasmarek, M.C., and Houston, N.A., 2005, Water-level altitudes 2005 and water-level changes in the Chicot, Evangeline, and Jasper aquifers and compaction 1973–2004 in the Chicot and Evangeline aquifers, Houston-Galveston region, Texas

EXPLANATION Line of equal water-level rise—Interval 20 feet COUNTY Line of equal water-level decline—Interval 20 feet Line of zero water-level change Boundary of study area Updip limit of Chicot aquifer (Baker, 1979; University of Texas, Bureau of Economic Geology, 1968) HUNTSVILLE Note: The change map was made by mathematically subtracting a gridded surface of the 1990 water-level-altitude map (Kasmarek, 1997), supplemented by additional 1990 water levels, from a gridded surface of this year's water-level-altitude map and then contouring the resultant gridded surface. Data points (wells in which water-level measurements were made) used to construct the two water-level-altitude maps are shown on those maps, GRIMES COUNTY CONROE SHELDO! RESERY LIBERTY COUNTY CHAMBERS COUNTY BAYTOWN 120 80 HOUSTON WEST UNIVERSITY SOUTH HOUSTON PASADENA ISSOURI CITY ROSENBERG BRAZORIA COUNTY LA MARQUE ANGLETON AKE JACKSON CLUTE 20 MILES $\textbf{Figure 4.} \quad \text{Map showing approximate water-level changes in the Chicot}$ aquifer, Houston-Galveston region, Texas, 1990-2005. Base from U.S. Geological Survey Digital data, 1:100,000 Universal Transverse Mercator projection Zone 15